Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Sunday 14 Jan 2024 until 23:59 on Monday 15 Jan 2024

Forecast Issued on Sunday 14 Jan 2024 at 02:01

Confidence: High for mainly dry, cold and clear for much of the period, but lowering for Tuesday for the extent of snow risk.

Headline for Sunday 14 Jan 2024: Largely dry and clear with summit winds freshening to increase the severe wind chill at height.

Mountain weather hazards on Sunday 14 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Cloudy	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
<05%	<05%	<05%	<05%	<05%	<05%

Forecast for Sunday 14 Jan 2024

Weather: The majority will stay dry with periods of weak winter sunshine increasing into the afternoon. However the odd light wintry shower may develop, chiefly during the evening.

Chance of cloud-free hill tops above 800m: 80%

Low cloud and visibility: Good or very good becoming poor or very poor in any wintry showers, very poor within cloud with bases occasionally lowering 600m.

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Mountain Weather Forecast

Forecast for Sunday 14 Jan 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	14/16 N	17/21 N	21/26 N	26/33 N	24/29 NW	27/33 N	26/33 N
600	9/12 NW	11/16 N	17/23 N	19/25 N	17/25 NW	17/25 NW	16/23 NW
300	2/11 NW	5/15 N	9/21 N	8/23 N	8/21 NW	6/22 NW	7/22 NW
Valley	3/11 N	6/17 N	9/20 N	9/23 N	7/20 NW	9/24 N	9/23 N

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-2/-8	-3/-10	-5/-13	-5/-14	-5/-14	-6/-16	-7/-16
600	-0/-4	-1/-6	-2/-9	-2/-9	-3/-10	-4/-12	-5/-12
300	1/0	1/-2	1/-3	0/-4	-0/-4	-2/-6	-3/-7
Valley	3/2	3/1	3/-0	3/-1	2/-1	1/-3	0/-4
Freezing Level*	500m	400m	200m	200m	100m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill reaching quite low levels from afternoon as winds strengthen and freezing levels lower.

Forecast for Monday 15 Jan 2024

Weather: Dry with prolonged periods of weak sunshine. Severe wind chill reaching quite low levels.

Maximum wind: North or northwest initially mean 25-30 mph with gusts reaching 45mph over most exposed ridges and summit, slowly easing through the day.

Chance of cloud-free hill tops above 800m: Virtually 100%

Low cloud and visibility: Very good visibility with little or no cloud

Temperature: **Valleys:** Minus 3 Celsius increasing 1 Celsius at best during the afternoon
At 800m: Minus 8 Celsius
Freezing level: Less than 200m

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Mountain Weather Forecast

Ground Conditions Supplement
Date: Saturday 13 January. Location: Helvellyn summit at 12:24. Temperature: plus 0.5°C. Maximum wind speed 20.3mph. Wind chill: minus 7.3°C. Average wind speed: 15.4mph
. Full report: A cloudy and damp day with moderate winds over high ground. The temperature on top of Helvellyn was just above freezing and any remaining snow and ice was slowly thawing.
The Lakeland fells are by and large snow-free, however, there is snow and ice present on the highest tops. Above 800m, the ground is partially frozen with rime ice and a very thin cover of snow. Small patches of old, compacted, and icy snow are also present on and around Helvellyn, notably on the exits to both Striding and Swirral edges. An ice axe and crampons/microspikes are advisable for these and similar steep and exposed routes in the area.Full winter clothing (waterproofs, extra warm layers, hat & gloves), and equipment including a headtorch, map, and compass are all essential.
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Issued at: 02:01 on Sun 14 Jan 2024

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